

Title (en)
PROCESS FOR PRODUCTION OF ENANTIOMER-ENRICHED COMPOUNDS

Title (de)
VERFAHREN ZUR HERSTELLUNG ENANTIOMERENANGEREICHERTER VERBINDUNGEN

Title (fr)
PROCEDE DE FABRICATION DE COMPOSES ENRICHIS D'ENIANTOMERES

Publication
EP 1801228 A4 20080820 (EN)

Application
EP 05767289 A 20050801

Priority
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Abstract (en)
[origin: WO2006013802A1] A process for the production of enantiomer-enriched compounds which comprises (1) bringing an enantiomer mixture into contact with a stereoselective dehydrogenase containing NAD⁺ (nicotinamide adenine dinucleotide) as coenzyme to oxidize one enantiomer preferentially and form NADH with the other enantiomer left unoxidized, and (2) bringing the NADH formed by the oxidation into contact with a water-formation type NADH oxidase stable under oxidative conditions to convert the NADH into NAD⁺. According to the process, the regeneration of NAD⁺ in the production of enantiomer-enriched compounds from enantiomer mixtures with a dehydrogenase can be attained even without adding a stabilizer, and enantiomer-enriched compounds can be produced efficiently.

IPC 8 full level
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C12P 7/16 (2013.01 - EP US); **C12P 7/22** (2013.01 - EP US); **C12P 41/002** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP US)

Citation (search report)
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